OHL008 – INTRODUCTION TO MEDICAL LABORATORY SCIENCE

Credit Hours: 2-3 Semester Hours
Pre-Requisite: None
Related TAG: Clinical/Medical Laboratory Science
Outcomes marked with an asterisk (*) are essential and must be met.
1. Discuss the different careers available in the profession of medical laboratory science.*
2. Explain the differences between the terms licensure, certification, and accreditation.*
3. Describe the different governing groups and agencies involved in the profession of medical laboratory science.*
4. Identify the organizations associated with the following initials and describe what they are:* a. ASCLS* b. ASCP* c. MLS* d. MLT * e. NAACLS* f. TJC* g. CAP* h. CLIA* i. CLSI*
5. Identify the major routine tests performed in the following sections of the medical lab:* a. Blood bank* b. Chemistry* c. Hematology* d. Immunology* e. Microbiology* f. Urinalysis*
6. Define the term “standard precautions”. Identify the two primary blood borne pathogens they are meant to prevent. *
7. Create a medical laboratory safety checklist that identifies key elements in the four categories below:* a. Biohazards* b. Fire hazards* c. Electrical hazards* d. Chemical hazards*
8. Describe the proper procedure for performing a venipuncture.*

9. Perform a successful venipuncture on a human subject.*
10. List common anticoagulants used in collecting blood for laboratory testing.*
11. Cite the appropriate order of draw when additive tubes are used.*
12. Describe the proper procedure for obtaining quality specimens for the lab (venous, arterial, and capillary).*
13. Describe the proper procedures for processing whole blood specimens when serum or plasma is needed, including general storage requirements.*
14. Identify the major components of a Code of Medical Ethics and apply to selected situations in Medical Laboratory Science.*
15. Demonstrate the ability to use the following basic medical laboratory equipment and instrumentation:* a. Spectrophotometer* b. Balance* c. Pipettes* d. Microscope* e. Centrifuge*
16. Discuss the importance of quality assurance in a medical laboratory setting.*
17. Calculate metric conversions, simple serial dilutions, basic Beer's Law, and total magnification, as well as construct and interpret standard curve.*

CLINICAL/MEDICAL LABORATORY SCIENCE TAG
FACULTY PARTICIPANTS
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CLINICAL/MEDICAL LABORATORY SCIENCE TAG
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CLINICAL/MEDICAL LABORATORY SCIENCE TAG: INTRODUCTION TO MEDICAL LABORATORY SCIENCE TAG COURSE
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